

In response to the Office Action dated September 25, 2001 (Paper No. 10),
please amend the application as follows:

IN THE CLAIMS:

Please amend Claims 1, 3 and 4 to read as follows. A marked-up copy of
these claims, showing the changes made thereto, is attached.

1. (Three Times Amended) A process for producing a purine nucleotide
which comprises:

culturing in a medium a recombinant microorganism obtained by
transforming a host cell having the ability to produce a precursor of the purine nucleotide
selected from the group consisting of XMP, guanosine, inosine and adenosine with DNA
which can express an enzyme capable of synthesizing the purine nucleotide from said
precursor upon induction, to accumulate said precursor of the purine nucleotide in the
culture;

inducing the expression of the enzyme capable of synthesizing the
purine nucleotide from said precursor to form the purine nucleotide from the accumulated
precursor in said culture, and

recovering the formed purine nucleotide therefrom.

3. (Twice Amended) The process according to claim 1, wherein the
precursor of the purine nucleotide is guanosine, the enzyme capable of synthesizing the
purine nucleotide from said precursor is inosine-guanosine kinase or phosphatase derived
from *Morganella morganii*, and the purine nucleotide is 5'-guanylic acid.